

0590  
08/3

#2



OIKE

#2

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/086,972

DATE: 08/14/2002

TIME: 15:22:34

Input Set : N:\Crf3\RULE60\10086972.raw

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1 <110> APPLICANT: Hoek, Robert M.  
 2 Sedgwick, Jonathan D.  
 3 <120> TITLE OF INVENTION: Novel Uses of Mammalian OX2 Protein and Related  
 4 Reagents  
 5 <130> FILE REFERENCE: DX0936K  
 6 <140> CURRENT APPLICATION NUMBER: 10/086,972  
 7 <141> CURRENT FILING DATE: 2002-03-01  
 9 <150> PRIOR APPLICATION NUMBER: US/09/547,432  
 10 <151> PRIOR FILING DATE: 2000-04-12  
 13 <160> NUMBER OF SEQ ID NOS: 3  
 14 <170> SOFTWARE: PatentIn Ver. 2.0  
 16 <210> SEQ ID NO: 1  
 17 <211> LENGTH: 274  
 18 <212> TYPE: PRT  
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| 21 | Val | Ile | Arg | Met | Pro | Phe | Ser | His | Leu | Ser | Thr | Tyr | Ser | Leu | Val | Trp |
| 22 | 1   |     |     |     | 5   |     |     |     |     | 10  |     |     |     |     | 15  |     |
| 23 | Val | Met | Ala | Ala | Val | Val | Leu | Cys | Thr | Ala | Gln | Val | Gln | Val | Val | Thr |
| 24 |     |     |     | 20  |     |     |     |     | 25  |     |     |     |     | 30  |     |     |
| 25 | Gln | Asp | Glu | Arg | Glu | Gln | Leu | Tyr | Thr | Thr | Ala | Ser | Leu | Lys | Cys | Ser |
| 26 |     |     | 35  |     |     |     |     | 40  |     |     |     |     | 45  |     |     |     |
| 27 | Leu | Gln | Asn | Ala | Gln | Glu | Ala | Leu | Ile | Val | Thr | Trp | Gln | Lys | Lys | Lys |
| 28 |     | 50  |     |     |     |     | 55  |     |     |     |     | 60  |     |     |     |     |
| 29 | Ala | Val | Ser | Pro | Glu | Asn | Met | Val | Thr | Phe | Ser | Glu | Asn | His | Gly | Val |
| 30 |     | 65  |     |     |     | 70  |     |     |     | 75  |     |     |     |     |     | 80  |
| 31 | Val | Ile | Gln | Pro | Ala | Tyr | Lys | Asp | Lys | Ile | Asn | Ile | Thr | Gln | Leu | Gly |
| 32 |     |     |     | 85  |     |     |     |     | 90  |     |     |     |     |     | 95  |     |
| 33 | Leu | Gln | Asn | Ser | Thr | Ile | Thr | Phe | Trp | Asn | Ile | Thr | Leu | Glu | Asp | Glu |
| 34 |     |     |     | 100 |     |     |     |     | 105 |     |     |     |     | 110 |     |     |
| 35 | Gly | Cys | Tyr | Met | Cys | Leu | Phe | Asn | Thr | Phe | Gly | Phe | Gly | Lys | Ile | Ser |
| 36 |     |     | 115 |     |     |     |     | 120 |     |     |     |     | 125 |     |     |     |
| 37 | Gly | Thr | Ala | Cys | Leu | Thr | Val | Tyr | Val | Gln | Pro | Ile | Val | Ser | Leu | His |
| 38 |     | 130 |     |     |     | 135 |     |     |     |     |     | 140 |     |     |     |     |
| 39 | Tyr | Lys | Phe | Ser | Glu | Asp | His | Leu | Asn | Ile | Thr | Cys | Ser | Ala | Thr | Ala |
| 40 |     | 145 |     |     |     | 150 |     |     |     |     | 155 |     |     |     | 160 |     |
| 41 | Arg | Pro | Ala | Pro | Met | Val | Phe | Trp | Lys | Val | Pro | Arg | Ser | Gly | Ile | Glu |
| 42 |     |     |     | 165 |     |     |     |     |     | 170 |     |     |     |     | 175 |     |
| 43 | Asn | Ser | Thr | Val | Thr | Leu | Ser | His | Pro | Asn | Gly | Thr | Thr | Ser | Val | Thr |
| 44 |     |     | 180 |     |     |     |     |     | 185 |     |     |     |     | 190 |     |     |
| 45 | Ser | Ile | Leu | His | Ile | Lys | Asp | Pro | Lys | Asn | Gln | Val | Gly | Lys | Glu | Val |
| 46 |     | 195 |     |     |     |     |     | 200 |     |     |     |     | 205 |     |     |     |
| 47 | Ile | Cys | Gln | Val | Leu | His | Leu | Gly | Thr | Val | Thr | Asp | Phe | Lys | Gln | Thr |

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50 225          230          235          240
51 Ser Leu Val Ile Leu Leu Val Leu Ile Ser Ile Leu Leu Tyr Trp Lys
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66 Glu Val Val Thr Gln Asp Glu Arg Lys Ala Leu His Thr Thr Ala Ser
67          35          40          45
68 Leu Arg Cys Ser Leu Lys Thr Ser Gln Glu Pro Leu Ile Val Thr Trp
69          50          55          60
70 Gln Lys Lys Lys Ala Val Ser Pro Glu Asn Met Val Thr Tyr Ser Lys
71          65          70          75          80
72 Thr His Gly Val Val Ile Gln Pro Ala Tyr Lys Asp Arg Ile Asn Val
73          85          90          95
74 Thr Glu Leu Gly Leu Trp Asn Ser Ser Ile Thr Phe Trp Asn Thr Thr
75          100          105          110
76 Leu Glu Asp Glu Gly Cys Tyr Met Cys Leu Phe Asn Thr Phe Gly Ser
77          115          120          125
78 Gln Lys Val Ser Gly Thr Ala Cys Leu Thr Leu Tyr Val Gln Pro Ile
79          130          135          140
80 Val His Leu His Tyr Asn Tyr Phe Glu Asp His Leu Asn Ile Thr Cys
81          145          150          155          160
82 Ser Ala Thr Ala Arg Pro Ala Pro Ala Ile Ser Trp Lys Gly Thr Gly
83          165          170          175
84 Thr Gly Ile Glu Asn Ser Thr Glu Ser His Phe His Ser Asn Gly Thr
85          180          185          190
86 Thr Ser Val Thr Ser Ile Leu Arg Val Lys Asp Pro Lys Thr Gln Val
87          195          200          205
88 Gly Lys Glu Val Ile Cys Gln Val Leu Tyr Leu Gly Asn Val Ile Asp
89          210          215          220
90 Tyr Lys Gln Ser Leu Asp Lys Gly Phe Trp Phe Ser Val Pro Leu Leu
91          225          230          235          240
92 Leu Ser Ile Val Ser Leu Val Ile Leu Leu Val Leu Ile Ser Ile Leu
93          245          250          255
94 Leu Tyr Trp Lys Arg His Arg Asn Gln Glu Arg Gly Glu Ser Ser Gln
95          260          265          270
96 Gly Met Gln Arg Met Lys
97          275

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99 <210> SEQ ID NO: 3
100 <211> LENGTH: 278
101 <212> TYPE: PRT
102 <213> ORGANISM: rodent
103 <400> SEQUENCE: 3
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107               20             25             30
108   Glu Val Val Thr Gln Asp Glu Arg Lys Leu Leu His Thr Thr Ala Ser
109           35             40             45
110   Leu Arg Cys Ser Leu Lys Thr Thr Gln Glu Pro Leu Ile Val Thr Trp
111       50             55             60
112   Gln Lys Lys Lys Ala Val Gly Pro Glu Asn Met Val Thr Tyr Ser Lys
113       65             70             75             80
114   Ala His Gly Val Val Ile Gln Pro Thr Tyr Lys Asp Arg Ile Asn Ile
115               85             90             95
116   Thr Glu Leu Gly Leu Leu Asn Thr Ser Ile Thr Phe Trp Asn Thr Thr
117           100             105             110
118   Leu Asp Asp Glu Gly Cys Tyr Met Cys Leu Phe Asn Met Phe Gly Ser
119       115             120             125
120   Gly Lys Val Ser Gly Thr Ala Cys Leu Thr Leu Tyr Val Gln Pro Ile
121       130             135             140
122   Val His Leu His Tyr Asn Tyr Phe Glu Asp His Leu Asn Ile Thr Cys
123       145             150             155             160
124   Ser Ala Thr Ala Arg Pro Ala Pro Ala Ile Ser Trp Lys Gly Thr Gly
125           165             170             175
126   Ser Gly Ile Glu Asn Ser Thr Glu Ser His Ser His Ser Asn Gly Thr
127           180             185             190
128   Thr Ser Val Thr Ser Ile Leu Arg Val Lys Asp Pro Lys Thr Gln Val
129       195             200             205
130   Gly Lys Glu Val Ile Cys Gln Val Leu Tyr Leu Gly Asn Val Ile Asp
131       210             215             220
132   Tyr Lys Gln Ser Leu Asp Lys Gly Phe Trp Phe Ser Val Pro Leu Leu
133       225             230             235             240
134   Leu Ser Ile Val Ser Leu Val Ile Leu Leu Val Leu Ile Ser Ile Leu
135           245             250             255
136   Leu Tyr Trp Lys Arg His Arg Asn Gln Glu Arg Gly Glu Ser Ser Gln
137           260             265             270
138   Gly Met Gln Arg Met Lys
139           275

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VERIFICATION SUMMARY

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